

Amendments to the Claims

1. *(Currently Amended)* Method of determining at least one characteristic parameter (TR) of a resonant structure ~~(4)~~ comprising the following steps:
 - a) placing the resonant structure ~~(4)~~ at a location, said location being located in the far field of a first antenna ~~(2)~~ and in the far field of a second antenna ~~(5)~~, and
 - b) emitting electromagnetic waves (EEW) with varying frequencies in a given frequency range by means of the first antenna ~~(2)~~ such that the emitted electromagnetic waves (EEW) are modified by the resonant structure (4) and modified electromagnetic waves (MEW) are achieved, and
 - c) determining during a first determining step a first electric power-value being representative of the power associated with the emitted electromagnetic waves (EEW), and
 - d) receiving the achieved modified electromagnetic waves (MEW) by means of the second antenna ~~(5)~~, and
 - e) determining during a second determining step a second electric power-value being representative of the power associated with the received modified electromagnetic waves (MEW), and
 - f) determining the at least one characteristic parameter by using the first and second power-values determined during the first and second determining steps.
2. *(Original)* Method according to claim 1, characterized in that the electromagnetic waves (EEW, MEW) have frequencies in the radio frequency region.
3. *(Original)* Method according to claim 1, characterized in that the electromagnetic waves (EEW, MEW) have frequencies above 800 MHz.
4. *(Original)* Method according to claim 1, characterized in that at least one characteristic parameter of an antenna or a transponder are determined.
5. *(Original)* Method according to claim 1, characterized in that the electromagnetic waves (EEW, MEW) travel through an anechoic space.
6. *(Original)* Method according to claim 1, characterized in that a through-calibration is performed for a determining apparatus for performing the first and second determining steps.
7. *(Original)* Method according to claim 1, characterized in that a 2-port calibration is performed for a determining apparatus for performing the first and second determining steps.
8. *(Currently Amended)* Method according to claim 1, characterized in that the electric power determined during the first and second determining steps are determined by means of a network analyzer ~~(1)~~.
9. *(Original)* Method according to claim 1, characterized in that the resonance frequency of the resonant structure is determined.

10. *(Original)* Method according to claim 1, characterized in that the relative transmission efficiency (TR) of the resonant structure is determined.

11. *(Currently Amended)* Device (D) for determining at least one characteristic parameter (TR) of a resonant structure ~~(4)~~, including:
a) a first antenna ~~(2)~~ and
b) a second antenna ~~(5)~~, and
c) a retaining device ~~(3)~~ for retaining the resonant structure ~~(4)~~ at a location, said location being located in the far field of the first antenna ~~(2)~~ and in the far field of the second antenna ~~(5)~~,
d) a signal generator for generating an HF-signal (OUTS) with varying frequencies, wherein the HF-signal (OUTS) generated by the signal generator is transferable to the first antenna ~~(2)~~, said first antenna ~~(2)~~ being provided for emitting electromagnetic waves (EEW) with varying frequencies to the resonant structure ~~(4)~~, said resonant structure ~~(4)~~ takes care for modifying the emitted electromagnetic waves (EEW) and for achieving modified electromagnetic waves (MEW) and said second antenna ~~(5)~~ being provided for receiving the generated modified electromagnetic waves (MEW), and
e) a first determining device for determining a first electric power-value representative of the power associated with the emitted electromagnetic waves (EEW) emitted by the first antenna ~~(2)~~ and for generating a first determining result
f) and a second determining device for determining a second electric power-value representative of the power associated with the received modified electromagnetic waves (MEW) received by the second antenna ~~(5)~~ and for generating a second determining result, and
g) processing means for processing the first electric power-value and the second electric power-value and for determining the at least one characteristic parameter (TR) by using the first and second power-values.

12. *(Currently Amended)* Device (D) according to claim 11, characterized in that the signal generator is realized by a network analyzer ~~(1)~~.

13. *(Currently Amended)* Device (D) according to claim 11, characterized in that the signal generator is connected to the first antenna ~~(2)~~ via an amplifier ~~(6)~~.

14. *(Original)* Device (D) according to claim 11, characterized in that both the first determining device and the second determining device are realized by one determining apparatus.

15. *(Currently Amended)* Device (D) according to ~~claims 12 and 14~~ claim 12, characterized in that the determining apparatus being realized by the network analyzer ~~(1)~~.

16. *(Currently Amended)* Device (D) according to claim 12, characterized in that the processing means are realized by the network analyzer ~~(1)~~.

17. *(Currently Amended)* Device (D) according to claim 11, characterized in that the first antenna ~~(2)~~ and the retaining device ~~(3)~~ and the second antenna ~~(5)~~ are positioned in an anechoic chamber ~~(7)~~.

18. *(Currently Amended)* Device (D) according to claim 11, characterized in that the first antenna ~~(2)~~ and the second antenna ~~(5)~~ are realized for emitting and receiving electromagnetic waves (EEW, MEW) in the radio frequency range.

19. *(Currently Amended)* Device (D) according to claim 14, characterized in that the first antenna ~~(2)~~ is realized by a Tx-antenna and the second antenna ~~(5)~~ is realized by an &-antenna.

20. *(Currently Amended)* Device (D) according to claim 11, characterized in that the retaining device ~~(3)~~ includes a rotating movable table ~~(8)~~.

21. *(Currently Amended)* Device (D) according to claim 11, characterized in that the material of the retaining device ~~(3)~~ consists at least mainly of a material having a dielectric constant close to 1 and a permeability close to 1.